

beta-Lapachone Solubility

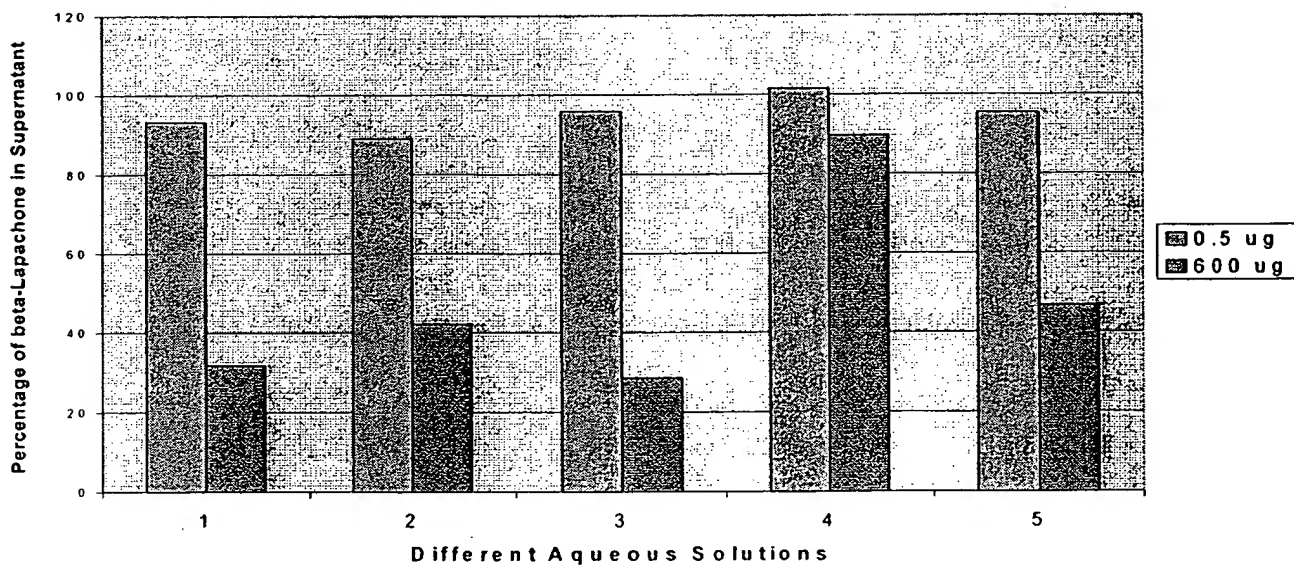


FIG. 1

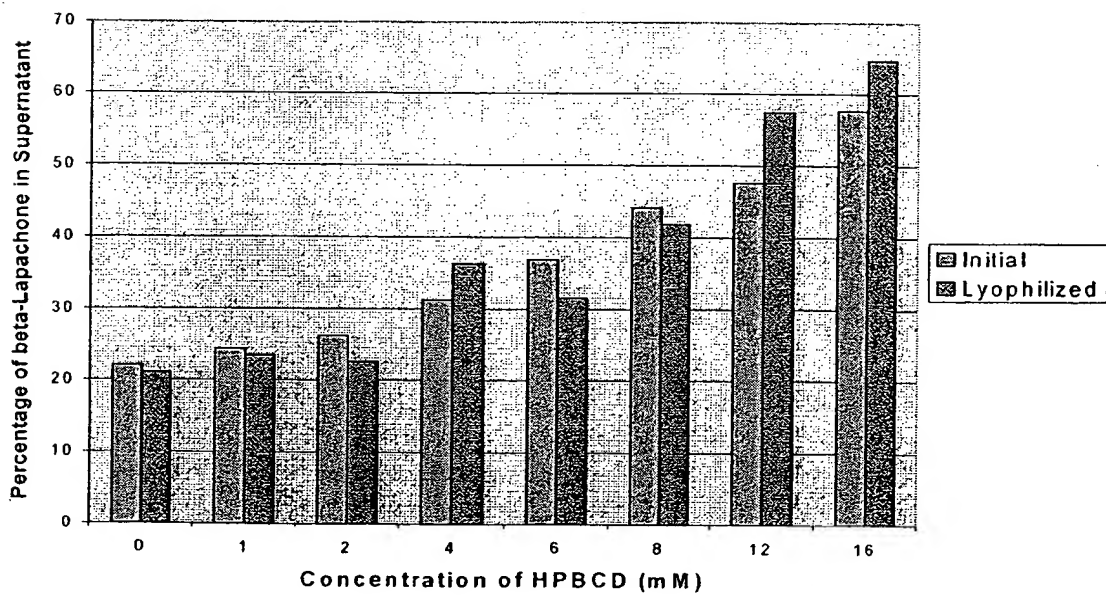


FIG. 2

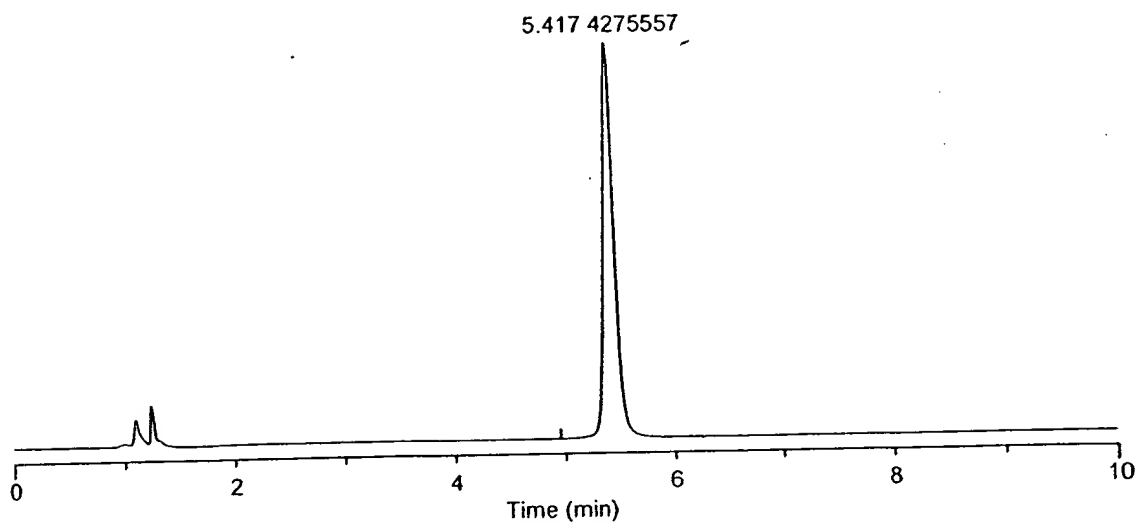


FIG. 3

Cell Line	Tissue Origins	Applied drug conc., μM		Colonies, percentage of control		
		β -Lapachone	Taxol	β -Lapachone	Taxol	β -Lapachone + Taxol
A2780DDP	Ovary	2	0.2	77 (1.1)	39 (0.8)	0
MCF-7	Breast	4	0.1	46 (1.4)	45 (0.3)	0
21MT	Breast	4	0.1	56 (5.0)	63 (7.0)	0
Skmel-28	Melanoma	4	0.1	56 (1.4)	44 (5.1)	0
HT-29	Colon	4	0.1	42 (1.4)	64 (2.5)	0
ASPC-1	Pancreas	4	0.2	45 (1.9)	71 (0.8)	0
G480	Lung	4	0.2	32 (0.3)	39 (2.6)	2 (0.1)
DUI45	Prostate	4	0.2	50 (2.2)	30 (0.9)	0

FIG. 4

β -Lap/Taxol Ratio, % IC ₅₀	OVCAR-3 Cell Line		MDAH 2774 Cell Line	
	% Absorbance	Significance	% Absorbance	Significance
0/0	100		100	
100/0	61.2		51.2	
75/25	57.6	$p < 0.05$	30.5	$p < 0.05$
60/40	59.2		32.0	$p < 0.05$
50/50	54.9	$p < 0.05$	36.2	$p < 0.05$
40/60	54.3	$p < 0.05$	35.6	$p < 0.05$
25/75	55.8		39.2	$p < 0.05$
0/100	71.0		52.6	

FIG. 5

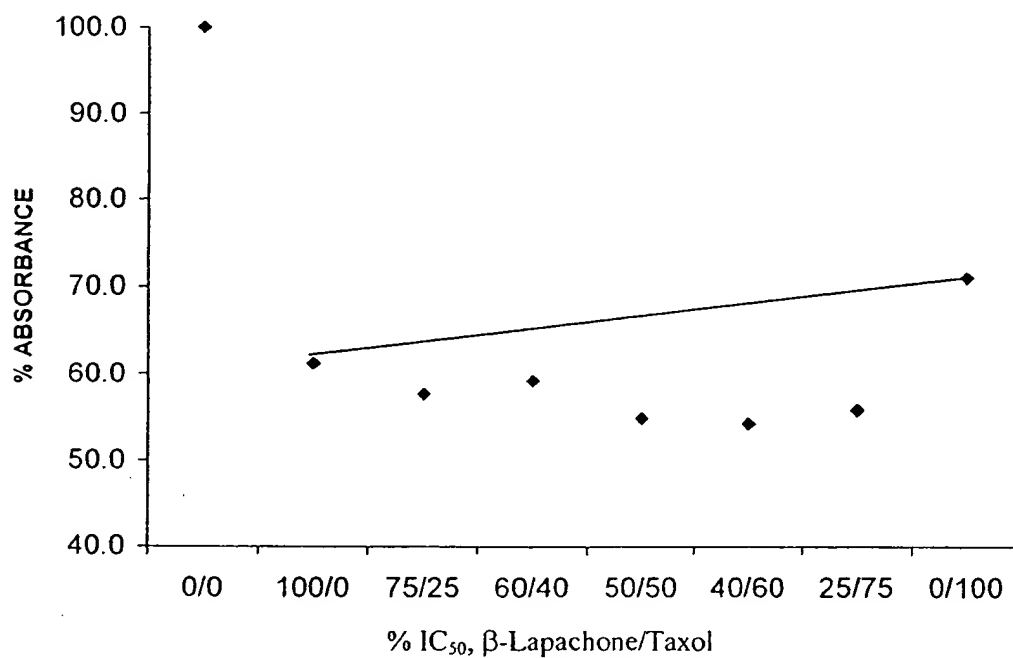


FIG. 6

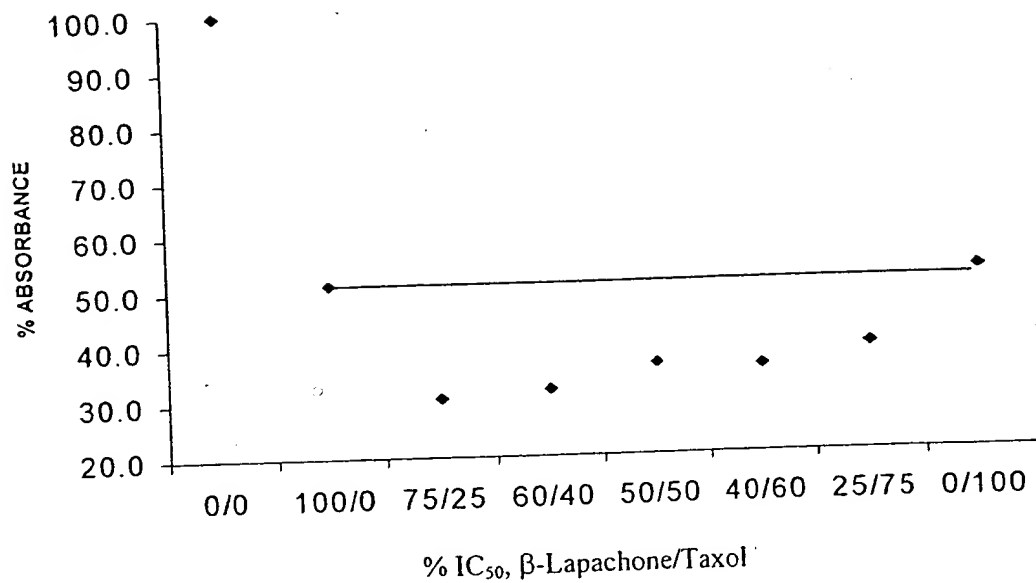


FIG. 7

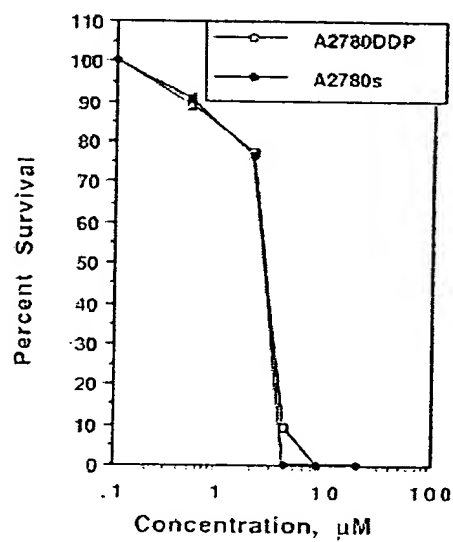


FIG. 8

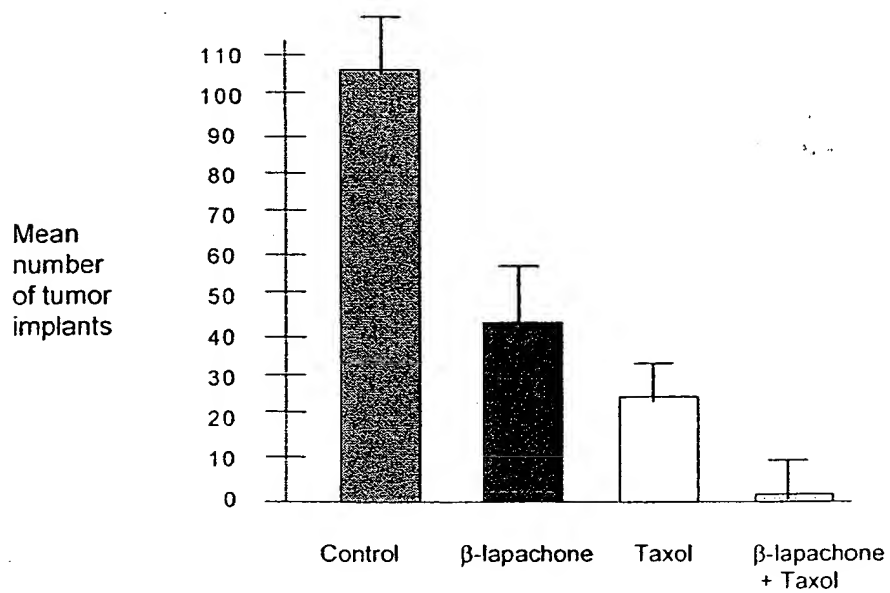


FIG. 9

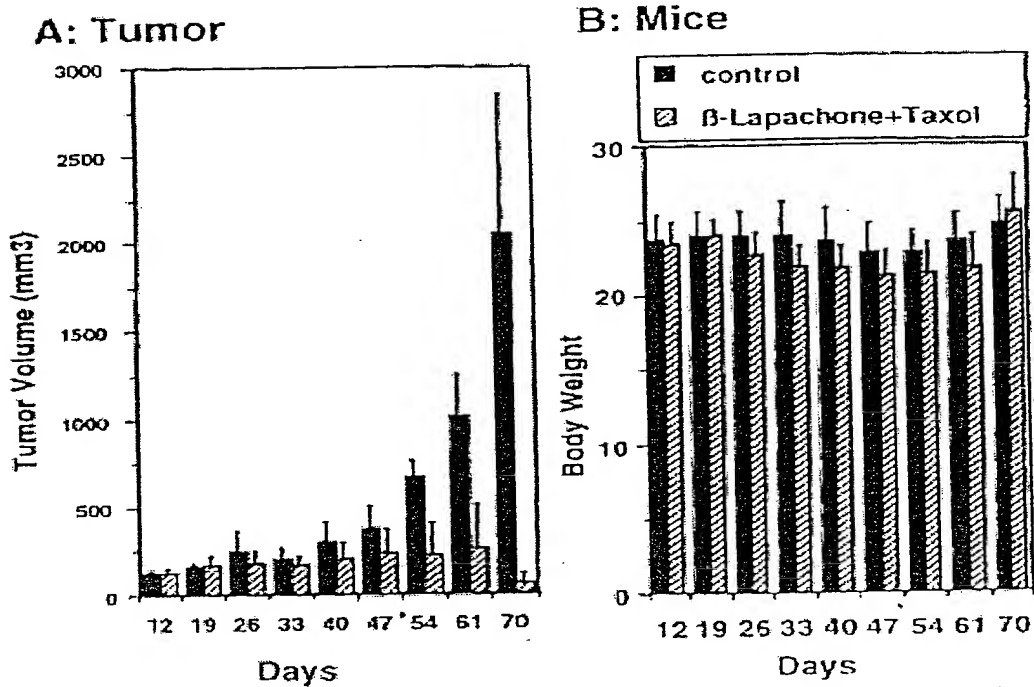


FIG. 10